

Legal & Policy Advisory Group

June Meeting

June 25, 2013



Agenda

Project Update

Phase 2 Technical Design Under Consideration

Next Steps

Phase 2 overall timeline

Mass HIway Phase 2 high level project schedule

Activity	Target date
Submit IAPD to CMS	Completed
CMS approval of Phase 2 IAPD	Completed
Phase 2 contract (or change order) executed	Completed
Go-live - Public Health - Immunization Registry Node	Completed
Go-live - Public Health - Reportable Lab Results (ELR) Node	Completed
Testing - Public Health - Syndromic Surveillance Node	Completed
Testing - EOHHS – Children’s Behavioral Health (CBHI) Node	Completed
Go-live for Phase 2, Release 1 (Other Public Health interfaces)*	May – Oct 2013
Go-live for Phase 2, Release 2 (CDR, EMPI, RLS, Consent)	Oct 2013 – Mar 2014

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Review of Mass Hlway phase 2 draft design

EOHHS and Orion have begun detailed scoping for technical design of Phase 2 services

Today's presentation gives high-level view of current approach – still many policy and technical details to be fleshed out

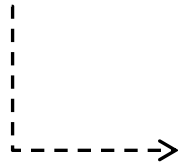
As we walk through the current high-level views, we welcome Advisory Group feedback on the approach

Mass Hlway Phasing

Phase 1

Send and receive

- Create infrastructure to enable secure transmission (“directed exchange”) of clinical information
- Will support exchange among clinicians, public health, and stand-alone registries
- Focus on breadth over depth
- Example: Patient has been discharged from hospital and wants hospital to send discharge summary to PCP



Phase 2

Search and retrieve

- Create infrastructure for cross-institutional queries for and retrieval of patient records
- Add additional public health services
- Example: Patient has been admitted to hospital and wants hospitalist to have patient record from PCP

Phase 1 and Phase 2 HIE Services

User types



Physician practice



Hospital



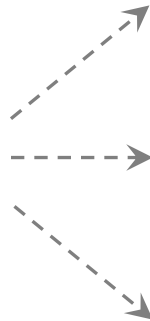
Long-term care
Other providers
Public health
Health plans



Labs and
imaging centers



Patients



HIE Services

Phase 1



Provider directory



Certificate repository



DIRECT gateway



Web portal mailbox

Phase 2



Master person index



Consent service



Record locator
service



Record retrieval
service

With the addition of Phase 2, the Hlway will ultimately be capable of a rich set of transactions

- **User-to-User Push**
- **Medical Records Locator (for Providers)**
- **Medical Records Retrieval (for Providers)**
- **Medical Records Locator Access Audit (for Providers and Patients)**
- **Medical Records Locator Review (for Patients)**
- **Medical Records Locator Update Notification (for Patients)**
- **Medical Records Locator Update Notification (for Providers)**

Phase 2 brings new Consent Responsibilities for data holders, data requestors, and the Hlway

Consent responsibilities – Mass Hlway Phase 2

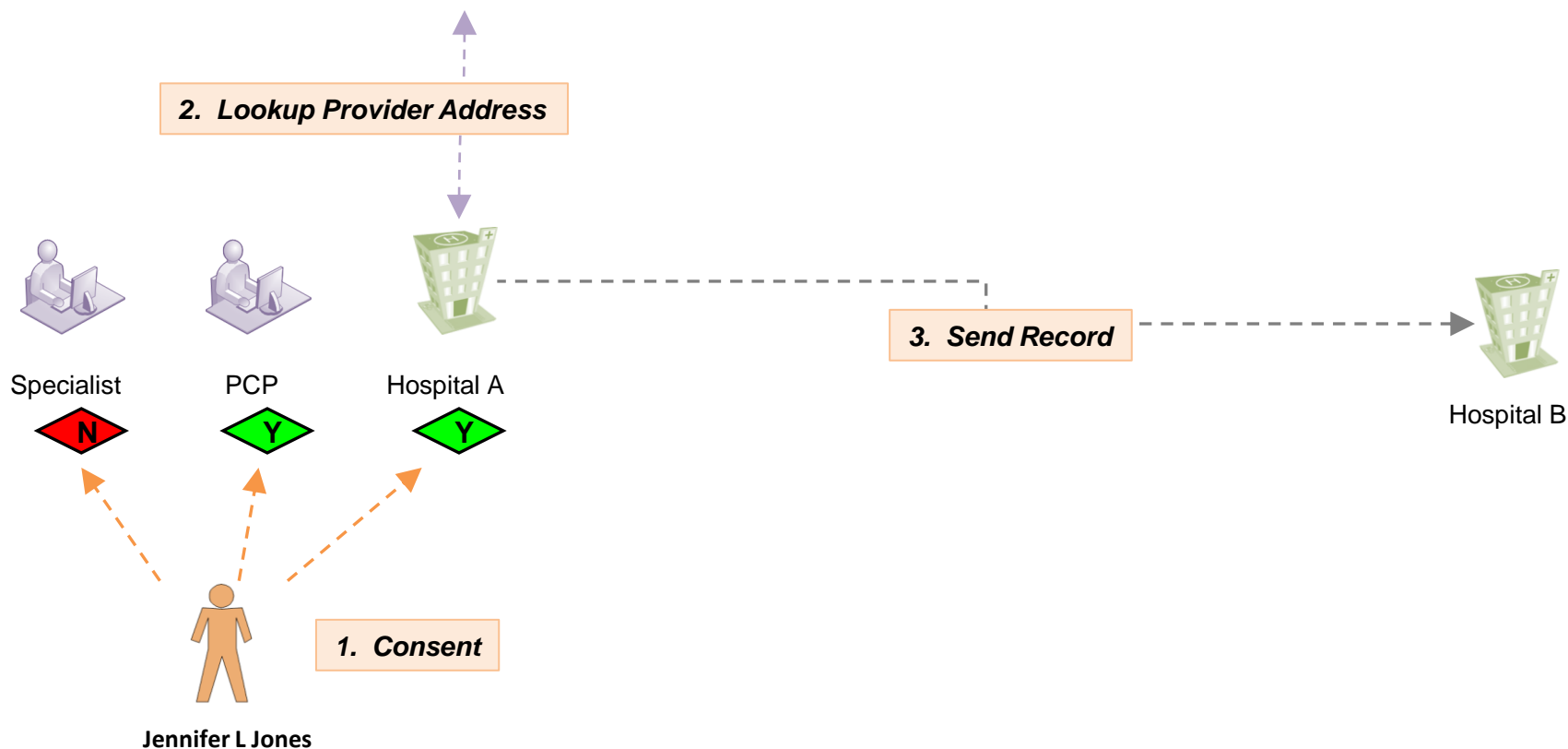
Data holder	Data Requestor	Mass Hlway
Gather patient consent for: <ul style="list-style-type: none"> ▪ Sending demographics to Hlway RLS ▪ Sending record to data requestor 	Gather patient consent for: <ul style="list-style-type: none"> • Viewing patient organizational relationships in Hlway RLS • Requesting and viewing patient record from data holder Convey patient consent within query transaction	Record attestation of patient consent for publishing patient organizational relationships to Hlway RLS Publish only patient/organization relationships in Hlway RLS for which patient has given consent
Log transactions for audit	Log transactions for audit	Log all Hlway RLS publish and view transactions for audit
Make audit log of transactions available to patients for review	Make audit log of transactions available to patients for review	Make audit log of transactions available to patients for review

Today: User-to-User Push



Provider Directory

<u>Provider name</u>	<u>Local name</u>	<u>Institution</u>	<u>Direct address</u>	<u>Certificate</u>
Smith, Marilyn M	Smith, Marilyn	Hospital B	Marilyn.Smith@HospB.masshighway.net	58&HTU
Smith, Marilyn M	Smith, Mary	Highland Primary Care	Marilyn.Smith@HPC.masshighway.net	93T\$@N



Framework for Query for a Patient Record

Emerging Federal Certification Approach

Data Requestor

Discover provider address
and security credentials



Send:

- Authenticating credentials
- Patient-identifying information
- Authorization for request
- Type of information being requested (optional)



Receive:

- Medical record information or acknowledgment of non-fulfillment of request
- Log transaction



Data holder

Receive:

- Validate authentication credentials
- Match patient
- Verify authorization for request
- Check for requested information



Send:

- Medical record information or acknowledgment of non-fulfillment of request
- Log transaction

MA HIway Phase 2 Consent Approach



Record Locator Service

<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Last visit date</u>	<u># visits</u>
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12



Jennifer L Jones

Consent to Publish Provider Relationships

- Consent to publish relationship between patient and entity
- Consent captured by data-holding entity and conveyed to RLS in update message (ADT)



Jennifer L Jones

Consent to Search or Retrieve

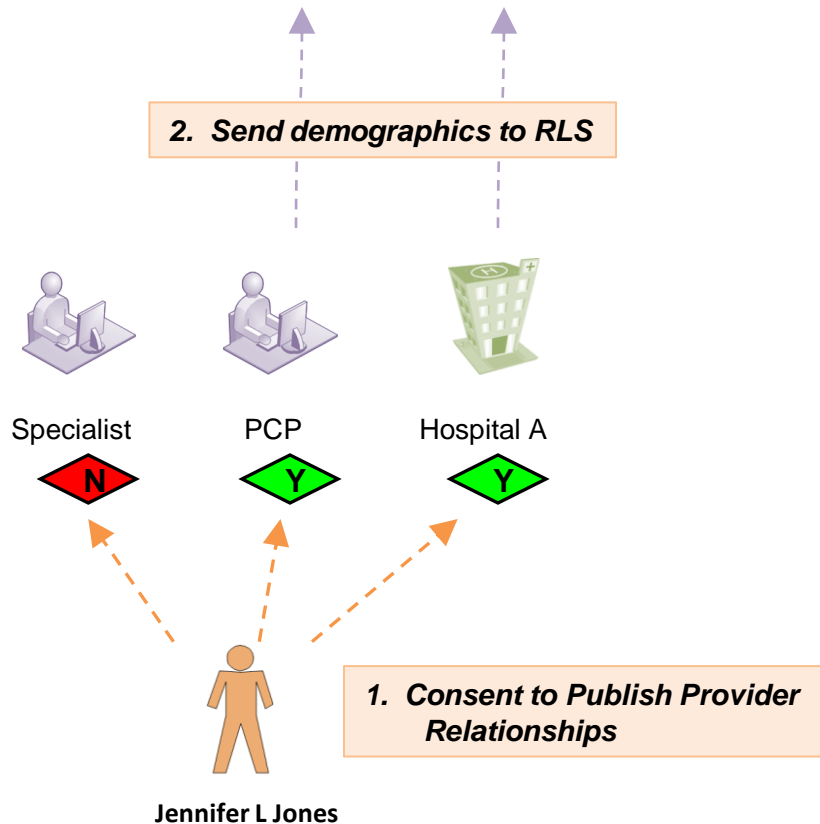
- Consent to search or retrieve records
- Consent captured by receiving entity and conveyed in query message

Publish Relationship to RLS



Record Locator Service

<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Last visit date</u>	<u># visits</u>
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
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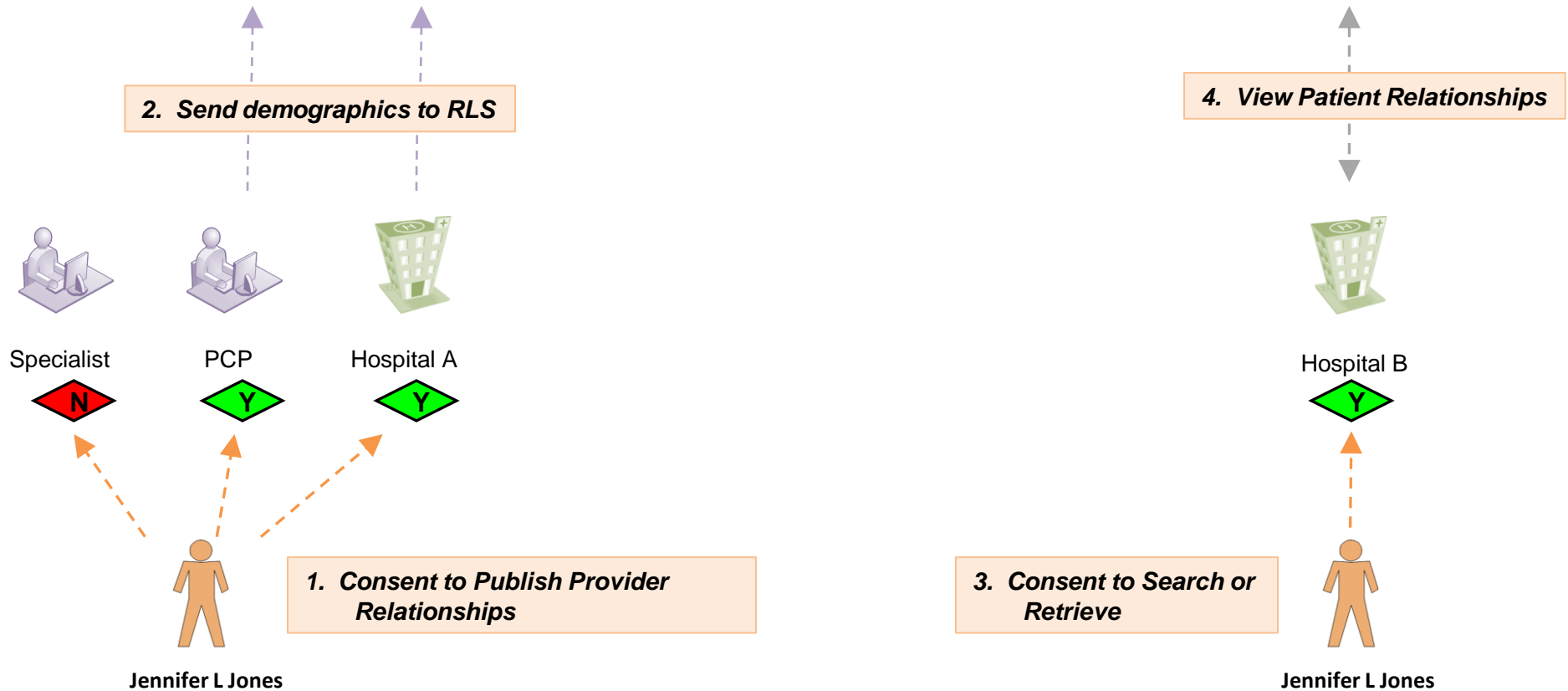
- Assume EHRs capable of capturing only single, binary consent flag
- Patient consent flag conveyed in RLS update messages (ADT)
- Consent flag acts like memoryless toggle allowing relationship to be published in RLS
- If “yes”, relationship published in RLS
- If “no”, message rejected (ie, relationship not published in RLS)
- If changing:
 - “Yes-to-No”: If relationship was previously published, previous messages stored but hidden – only available for audit
 - “No-to-Yes”: Relationship published in RLS from that point forward

View RLS Information



Record Locator Service

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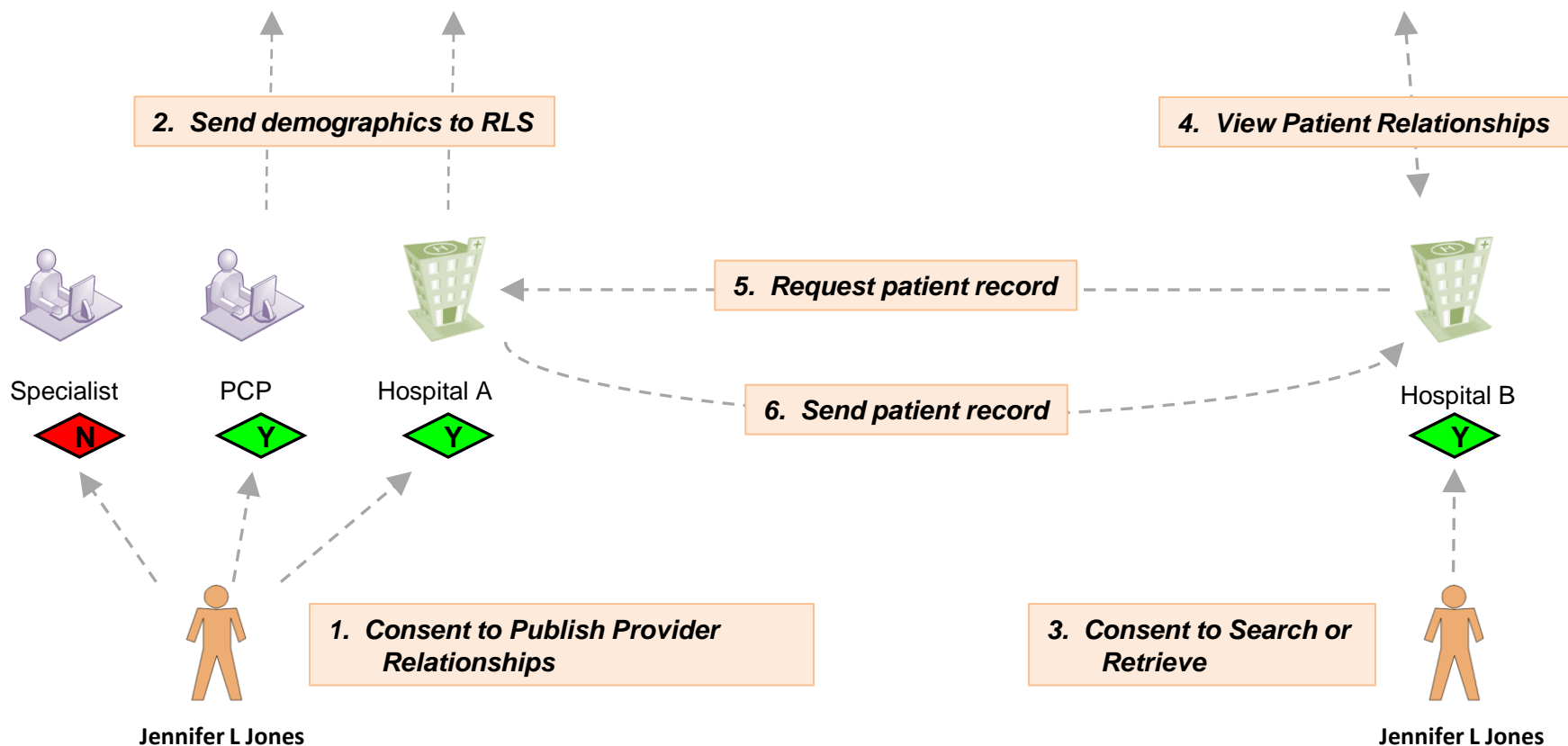


Provider Record Retrieval Options



Record Locator Service

<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Last visit date</u>	<u># visits</u>
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
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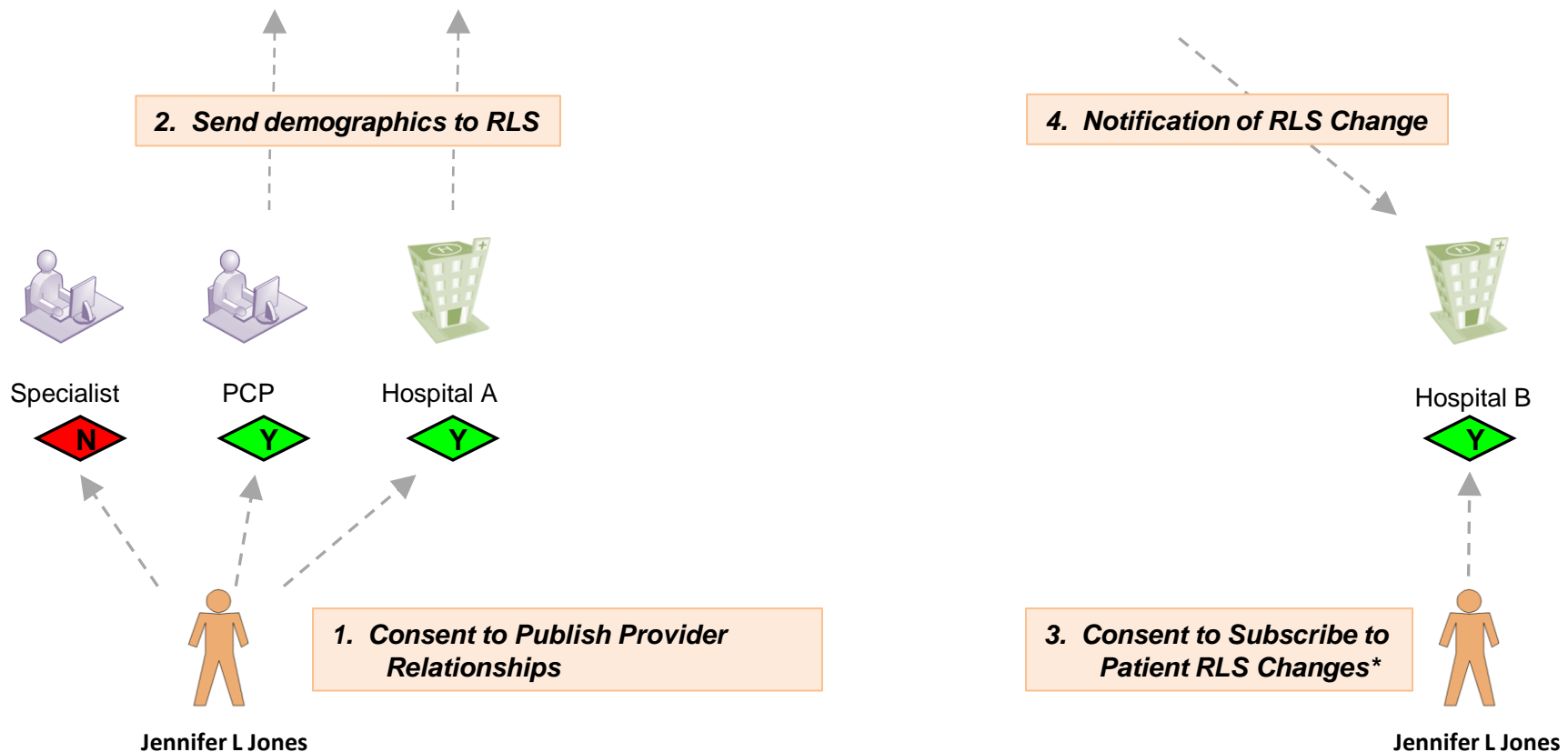


Provider Subscription to Changes in Patient RLS



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<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Last visit date</u>	<u># visits</u>
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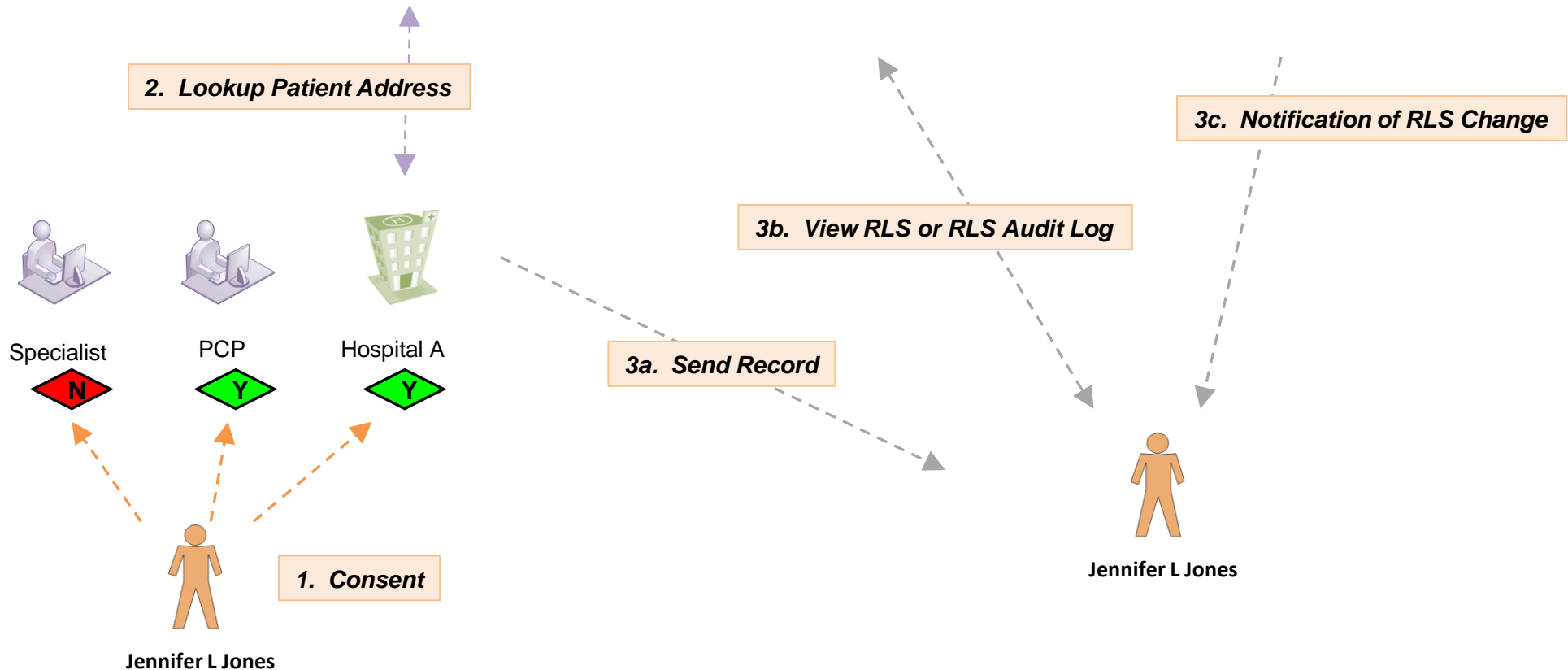


Patient Options



Patient Directory

<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Direct address</u>	<u>Certificate</u>
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Jennifer.Jones@hv.masshighway.net	34X&)VX
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jennifer.Jones@hv.masshighway.net	34X&)VX



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Next Steps

Next steps

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- Key points and recommendations synthesized and provided back to Advisory Group for final comments
- Presentation materials and notes to be posted to EOHHS website
- Next Advisory Group Meeting – July 16, 2:30-4:00 pm.
 - Conference call – number to be updated in invitation
- HIT Council – July 1, 2013, 3:30-5:00 One Ashburton Place, 21st Floor

HIT Council meeting schedule, presentations, and minutes may be found at <http://www.mass.gov/eohhs/gov/commissions-and-initiatives/masshiway/hit-council-meetings.html>